

**Heavy Fire Equipment Operator**

Exam Code: 9FS10

DEPARTMENT(S):	Department of Forestry & Fire Protection
OPENING DATE:	February 19, 2019
FINAL FILING DATE:	March 19, 2019
EXAM TYPE:	Open- Non-Promotional
SALARY:	\$4,513.00 - \$5,963.00
LOCATIONS:	Statewide

EQUAL EMPLOYMENT & DRUG FREE STATEMENTS

The State of California is an equal opportunity employer to all, regardless of age, ancestry, color, disability (mental and physical), exercising the right to family care and medical leave, gender, gender expression, gender identity, genetic information, marital status, medical condition, military or veteran status, national origin, political affiliation, race, religious creed, sex (includes pregnancy, childbirth, breastfeeding and related medical conditions), and sexual orientation.

It is an objective of the State of California to achieve a drug-free state work place. Any applicant for State employment will be expected to behave in accordance with this objective, because the use of illegal drugs is inconsistent with the law of the state, the rules governing civil service, and the special trust placed in public servants.

SALARY INFORMATION

This classification is eligible for the following pay:

Base Salary (paid every month):

\$4,513.00 - \$5,431.00 Range A

\$4,954.00 - \$5,963.00 Range B

Range A: This range shall apply to incumbents who do not meet the criteria for payment in Range B.

Range B: This range shall apply to incumbents in positions approved by the Department of Personnel Administration's and the State Personnel Board's staff as having regular, direct responsibility for work supervision, on-the-job training, and work performance evaluation of at least two inmates, wards or resident workers who substantially replace civil service employees for a total of at least 173 allocated hours of inmates', wards' or resident workers' time per pay period.

This range may also apply to employees in positions approved by the Department of Personnel Administration's staff as having direct supervisory responsibility over incumbents who meet the conditions stated above.

Extended Duty Week Compensation (paid every 4 weeks):

\$2121 - \$2553

HEAVY FIRE EQUIPMENT OPERATOR**9FS10 FINAL FILING DATE 03/19/19**

In addition to the above pay items, employees are eligible for medical benefits (health, dental, vision) and may be eligible for other pay differentials.

WHO CAN APPLY

Persons who meet the minimum qualifications of the classification, as stated on this examination bulletin. All applicants must meet the education and/or experience requirements by the final filing date of **March 19, 2019** unless otherwise noted on the class specification.

HOW TO APPLY

To apply for this examination, please complete and return the following:

- [Examination/Employment Application \(STD.678\)](#). This can also be found on the California Department of Human Resources' website. *You may submit your application by mail or in person.*
- The two paged Truck/Bulldozer Information form that is attached to this bulletin

<u>SUBMIT BY MAIL:</u>	<u>SUBMIT IN PERSON:</u>
Department of Forestry and Fire Protection Examination Unit – (Attention: Alisha Dillon) P.O Box 944246 Sacramento, CA 94244-2460	Department of Forestry and Fire Protection Examination Unit – (Attention: Alisha Dillon) 1300 U Street Sacramento, CA 95818

DO NOT SUBMIT APPLICATIONS VIA E-mail

Applications postmarked or personally delivered after the final filing date, **March 19, 2019** will not be accepted for any reason.

All applications/resumes must include "from" and "to" employment dates (month/day/year), time base, and applicable civil service class titles. Applications/resumes received without this information will be rejected.

Dates printed on Mobile Bar Codes, such as the Quick Response (QR) Codes available at the USPS, are not considered Postmark dates for the purpose of determining timely filing of an application.

EXAMINATION INFORMATION

The examination will consist of the following two phases:

Phase one is a **pass/fail** written examination which is anticipated to be held **April 2019**. This phase will be administered in Sacramento, CA and Riverside, CA. Candidates who pass phase one will move on to phase two.

Phase two will consist of a performance test anticipated to be held in **May 2019**. This phase will be administered in Lone, CA. It is the candidate's responsibility to anticipate possible participation in both phases and plan accordingly.

PLEASE NOTE: All exam questions are based on the Knowledge, Skills and Abilities listed in this bulletin and the Heavy Fire Equipment Operator [classification specification](#) which is located on the CAL HR website. Use this information when preparing for this exam and retain this bulletin for your reference.

SPECIAL TESTING ARRANGEMENTS

If you have a disability and need special testing arrangements, mark the appropriate box on the application and/or contact the Department of Forestry and Fire Protection at (916) 445-7824.

HEAVY FIRE EQUIPMENT OPERATOR
9FS10 FINAL FILING DATE 03/19/19

MINIMUM QUALIFICATIONS

Minimum Age: 18 years at the time of appointment.

Possession of the type of driver license required by law applicable to the types of heavy motorized vehicles operated on the job. (Applicants who do not possess the required license will be admitted to the examination, but must secure the license prior to the performance test.

And

One year of over the highway experience operating Class 8 transport vehicles with multi-speed manual shift transmissions, with a gross vehicle weight of at least 60,000 pounds or greater;

And

One year of experience operating D6 or D7 bulldozers or equivalent size bulldozers produced by other manufacturers. Qualifying bulldozer experience must include at least 500 hours of operation of the specified bulldozers in rugged terrain;

And

Education equivalent to completion of the twelfth grade.

NOTE: APPLICANTS MUST PROVIDE THE FOLLOWING SPECIFIC INFORMATION ON THE TWO-PAGE "TRUCK/BULLDOZER INFORMATION" FORM THAT IS ATTACHED TO THIS EXAMINATION ANNOUNCEMENT. COMPLETE AND RETURN THIS FORM WITH YOUR "EXAMINATION APPLICATION STD. 678". YOU MAY USE ADDITIONAL SHEETS, IF NECESSARY.

1. Applicants must specify the type(s) and weight(s) of Class 8 transport vehicle(s). Please note: You must have one year of over the highway experience operating Class 8 transport vehicles with multi-speed manual shift transmissions, with a gross vehicle weight of at least 60,000 pounds or greater. Please include name of employer(s), dates of employment, make/model of transport(s), weight of transport(s), hours per week driving (maximum of 40 hours per week), and total hours of operation. (See "*Truck/Bulldozer Information*" form to submit this information.)

2a. Applicants must specify the type(s) of bulldozer(s), the number of hours operating D6 or D7 bulldozers or equivalent size bulldozers. Please note: You must have one year of experience operating a D6 or D7 bulldozer or equivalent size bulldozer produced by other manufacturers. Please include name of employer(s), dates of employment, make/model of dozer(s), hours per week operating (maximum of 40 hours per week), and total hours of operation. (See "*Truck/Bulldozer Information*" form to submit this information.)

2b. Applicants must specify the type of terrain they were in while operating a D6 or D7 bulldozer or equivalent size bulldozer and number of hours. In addition to providing name(s) of employer(s), dates of employment, make/model of dozer(s), please provide examples of the type of terrain, including the percentage of slope, and total hours of operation in rugged terrain. Please note: You must have at least 500 hours of operation of the specified bulldozer in rugged terrain. (See "*Truck/Bulldozer Information*" form to submit this information.)

3. If applicants possess the required license, please provide the license number, class, and expiration date. (See "*Truck/Bulldozer Information*" form to submit this information.)

ADDITIONAL DESIRABLE QUALIFICATIONS – PERSONAL CHARACTERISTICS

Willingness to work in remote areas; willingness to work on weekends and holidays and to remain on duty 24 hours a day, as required; color vision adequate to successfully perform the job as measured by the Ishihara Pseudo-Chromatic Plate Test or for persons failing the Ishihara, the Farnsworth D-15 arrangement

HEAVY FIRE EQUIPMENT OPERATOR
9FS10 FINAL FILING DATE 03/19/19

test; and visual acuity (Snellen) of not less than 20/100 without correction in each eye corrected to not less than 20/30 in one eye; hearing adequacy within speech frequencies (uncorrected); normal use of both hands and feet; physical strength and agility; no more than mildly susceptible to poison oak.

ELIGIBLE INFORMATION

A Departmental eligible list will be established for the Department of Forestry and Fire Protection. This list will be abolished 12 months after it is established unless the needs of the service and conditions of the list warrant a change in this period.

Candidates must be successful on BOTH examination components to be placed on the eligibility list

REQUIREMENTS FOR ADMITTANCE TO THE EXAMINATION

All applicants must meet the education and/or experience requirements for this examination by the written test date of March 19, 2019.

NOTE: Accepted applicants are required to bring either a photo identification card or two forms of signed identification to each phase of the examination. Accepted applicants will also need to bring a **current** Department of Motor Vehicle (DMV) printout showing medical certification.

All applications/resumes must include "from" and "to" employment dates (month/day/year), time base, and applicable civil service class titles as well as a detailed list of duties performed. Applications received without this information will be rejected.

POSITION DESCRIPTION

A Heavy Fire Equipment Operator inspects transport, bulldozer, and personal protective equipment on a daily basis; operates heavy bulldozers, heavy-duty transports, motor-graders, trucks, back hoes, and other types of heavy equipment used in fire suppression work and other related emergency incidents, road maintenance, fire protection programs, and conservation project work; operates equipment during fire suppression operations in unfamiliar steep terrain, narrow mountainous roads, and under hazardous conditions; maintains records to be used in the development of reports of work performed; maintains physical fitness; performs preventive maintenance services on various equipment which may include tune-up, brake replacement and adjustment, oil changes, and lubrication; assists mechanics in major mechanical repairs to heavy-duty transports, heavy bulldozers, motor-graders, fire apparatus, and support vehicles which may include engine and transmission overhaul and fire pump repair; works with and/or supervises inmate and free personnel crews on fire line assignments, road construction assignments, forestry conservation projects, and in-camp work projects; interprets maps to determine type of terrain and location of projects and/or incidents; estimates cost of repairs and purchases required parts for equipment; assists in the maintenance and repair of state facilities; maintains and repairs miscellaneous equipment which may include chain saws and portable generators; obtains and maintains Incident Command System qualifications by attending required training; attends other training such as Cardio Pulmonary Resuscitation (CPR) and first responder; purchases parts and maintains parts inventory; train others in the safe practices and use of heavy equipment and support vehicle operations; performs modifications such as welding, fabrication, and limited body work to heavy equipment and vehicles; and maintains and tracks operational budget.

KNOWLEDGE, SKILLS, AND ABILITIES

Scope:

A. Knowledge of:

HEAVY FIRE EQUIPMENT OPERATOR
9FS10 FINAL FILING DATE 03/19/19

1. Bulldozer controls for safe maneuverability.
2. Proper operation and use of equipment to ensure the reliability of equipment and safety.
3. Transport semi-truck to safely operate on highways, steep, narrow, and rough roads.
4. Equipment capabilities in various environments to safely complete fire suppression assignments and various projects.
5. Transport trailer specifications to safely load and unload equipment.
6. Proper methods to secure loads in accordance with State and Federal regulations, and Department policies and procedures.
7. Equipment maintenance to ensure the reliability of equipment and safety.
8. Equipment adjustments to ensure the reliability of equipment and safety.
9. Diverse makes and models of equipment to operate various equipment.
10. Applicable laws, standards, and regulations pertaining to equipment operations to perform daily assignments.
11. Commercial Driver's License Program to comply with State and Federal regulations, and Department policies and procedures.
12. Equipment repair to ensure the reliability of equipment and safety.
13. Extralegal vehicle transportation requirements to be in compliance with State and Federal regulations.
14. Extralegal vehicle routing restrictions to be in compliance with State and Federal regulations.
15. Tools used in the maintenance, adjustment, and repair of equipment to ensure the reliability of equipment and safety.
16. 90-day equipment inspections to ensure equipment is in compliance with local, State, and Federal regulations.
17. Erosion control methods to reduce resource damage during fire line construction and road maintenance.
18. Extralegal vehicle permit application processes to be in compliance with State and Federal regulations.
19. Basic mathematics for accurate calculations when transporting equipment, timekeeping, and procurement.
20. Basic grammar for accurate report writing.

B. Skill to:

1. Safely operate equipment during fire suppression and various assignments on steep, rugged, and forested slopes.
2. Adequately control the bulldozer blade during fire suppression and various assignments.
3. Construct adequate fire lines and safety zones.
4. Operate extralegal loads safely during fire suppression and various assignments on highways and roads.
5. Operate hand/power tools and welders to diagnose, repair, and maintain equipment.

C. Ability to:

1. Safely operate vehicles and equipment in all types of terrain and conditions to accomplish assignments.
2. Maintain a valid Commercial Driver's License to enable the legal operation of Department-owned equipment.
3. Determine limitations of equipment during assignments and emergency situations.
4. Determine capabilities of equipment during assignments and emergency situations.
5. Operate transports safely in compliance with local, State and Federal regulations.
6. Effectively work in remote locations and adverse conditions in emergency/non-emergency situations.
7. Communicate effectively during stressful situations.
8. Read, write, comprehend, and communicate in English to exchange information and accomplish daily activities.
9. Work independently by following directions and taking appropriate actions with little or no supervision.
10. Follow oral instructions to ensure completion of assignments.
11. Follow written instructions to ensure completion of assignments.

12. Understand and employ good safety practices in order to maintain a safe work environment.
13. Demonstrate ethical and professional conduct with fellow employees, inmates, contracted employees and public citizens.
14. Safely perform physical activities to prevent injury.
15. Cooperate with personnel to complete assignments.
16. Operate a winch safely to aid immovable equipment.
17. Perform in a team environment contributing to a collaborative effort for problem solving and decision-making.
18. Communicate effectively at all organizational levels.
19. Maintain equipment to prevent possible equipment failures or accidents.
20. Manage multiple assignments to meet job demands of varying complexities.
21. Pass the Respiratory Protection Program physical for respiratory fit testing and wear.
22. Inspect equipment to determine required repairs.
23. Test equipment to determine if equipment is operating properly.
24. Prioritize assignments to maximize program efficiency.
25. Identify conflicts to provide a productive and safe work environment.
26. Establish goals and objectives as needed to maximize program efficiency.
27. Repair equipment for safe operations.
28. Resolve conflicts to provide a productive and safe work environment.

VETERANS' PREFERENCE

Veterans' Preference will be granted for this examination, pursuant to Government Code section 18973.1, effective January 1, 2014 as follows: 1) Any veteran, widow or widower of a veteran, or spouse of a 100 percent disabled veteran, who achieves a passing score in an entrance examination, shall be ranked in the top rank of the resulting eligibility list. Any veteran who has been dishonorably discharged or released is not eligible for Veterans' Preference. 2) An entrance examination is defined, under the law, as any open competitive examination. And 3) Veterans' Preference is not granted once a person achieves permanent civil service status. Veteran status is verified by the California Department of Human Resources (CalHR). Directions to apply for Veterans' Preference are on the Veterans' Preference Application (Std. Form 1093), which is available at [CAL HR Veterans Information](#) , and the [Department of Veterans Affairs](#).

CAREER CREDITS

Three career credits will be added to the final score of all competitors in this examination who qualify for the credits and attain a passing mark on the examination. (See "General Information" on this bulletin for information regarding career credits.

CONTACT INFORMATION

Department of Forestry and Fire Protection
P.O. Box 944246
Sacramento, California 94244-2460
(916) 445-7824
CALFIREexams@fire.ca.gov

TDD is Telecommunications Device for the Deaf and is reachable only from phones
Equipped with a TDD Device

1 (800) 735-2929 (TT/TDD) 1 (800) 735-2922 (Voice)

STS is Speech-to-Speech Service for persons with a speech disability and is reachable at
1 (800) 854-7784 (California) or 1 (800) 947-8642 (Nationwide)

GENERAL INFORMATION

For all examinations (with or without a written feature), it is the candidate's responsibility to contact the Department of Forestry and Fire Protection, (916) 445-7824, three weeks after the cut-off/final filing date if he/she has not received a progress notification or notice to appear.

HEAVY FIRE EQUIPMENT OPERATOR
9FS10 FINAL FILING DATE 03/19/19

If a candidate's notice of oral interview or performance test fails to reach him/her three days prior to their scheduled appointment due to a verified postal error, he/she will be rescheduled upon written request.

Examination Locations: When a written test is part of the examination, it will be given in such places in California as the number of candidates and conditions warrant. However, locations of interviews or performance evaluations may be limited or extended as conditions warrant.

Applications are available [online](#) at CalHR, local offices of the Employment Development Department and the testing Department on this job bulletin.

If you meet the requirements stated on this bulletin, you may take this examination, which is competitive. Possession of the entrance requirement does not assure a place on the eligible list. Your performance in the examination will be compared with the performance of the others who take this test, and all candidates who pass will be ranked according to their scores.

The Department of Forestry and Fire Protection reserves the right to revise the examination plan to better meet the needs of the service, if the circumstances under which this examination was planned change. Such revision will be in accordance with civil service laws and rules and all competitors will be notified.

General Qualifications: Candidates must possess essential personal qualifications including integrity, initiative, dependability, good judgment, and ability to work cooperatively with others; and a state of health consistent with the ability to perform the assigned duties of the classification. A medical examination may be required. In open examinations, investigation may be made of employment records and personal history and fingerprinting may be required.

Eligible Lists: Eligible lists established by competitive examination, regardless of date, must be used in the following order: 1) sub-divisional promotional, 2) Departmental promotional, 3) multi-Departmental promotional, 4) service-wide promotional, 5) Departmental open, 6) open. When there are two lists of the same kind, the older must be used first. Eligible lists will expire in one to four years unless otherwise stated on the bulletin.

If High School Equivalence is Required: Equivalence to completion of the 12th grade may be demonstrated in any one of the following ways: 1) passing the General Educational Development (GED) Test; 2) completion of 12 semester units of college work; 3) certification from the State Department of Education, a local school board, or high school authorities that the candidate is considered to have education equivalent to graduation from high school; 4) for clerical and accounting classes, substitution of business college work in place of high school on a year-for-year basis.

Career Credits: In open, non-promotional examinations, career credits are granted to: 1) State employees with permanent civil service status, 2) full-time employees of the State who are exempt from State civil service pursuant to the provisions of Section 4 of Article VII of the California Constitution, and who meet all qualification requirement specified by the Board and have 12 consecutive months of service in an exempt position, and 3) individuals who have served one full year in, or are graduates of, the California Conservation Corps (eligibility shall expire 24 months after graduation from the California Conservation Corps). Three points are added to the final test score of those candidates who meet the above criteria, and who are successful in the examination. Such examinations cannot be for managerial positions described in Government Code Section 3513. Competitors not currently employed in State civil service who have mandatory reinstatement rights may also be eligible for career credits, but they must explain their service status in the appropriate section of the Examination/Employment Application. (STD. 678).

Confidentiality and Security: Pursuant to Government Code Sections 19680(c) and 19681(b) it is unlawful to copy and/or furnish confidential examination material for the purpose of either improving or injuring the chances of any person or to obtain examination questions or other examination material before, during, or after an examination. Every person violating these provisions is guilty of a misdemeanor, and adverse action will be pursued. This may result in the person being barred from competition in future examinations, withheld from certification lists, or cancellation of eligibility for employment in State civil service.

TRUCK/BULLDOZER INFORMATION

1. The type of truck you have experience driving (**you must specify the type and weight of Class 8 transport vehicle**). Please note: You must have one year of over-the-highway experience operating Class 8 transport vehicles with multi-speed manual shift transmissions, with a gross vehicle weight of at least 60,000 pounds or greater. **Please provide ALL the following information in each column (use additional sheets if necessary):**

Employer	Dates of Employment	Make/Model of Transport	Weight of Transport	Hours per Week Driving	Total Hours of Operation
Sample: J. Smith Transport Co.	1/19/98 – 5/19/01	18 wheel combo transport	80,000	20	2,420

2a. The type of bulldozer you have operated. Please note: You must have one year of experience operating a D6 or D7 bulldozer or equivalent size bulldozer produced by other manufacturers. **Please provide ALL the following information in each column (use additional sheets if necessary):**

Employer	Dates of Employment	Make/Model of Dozer	Hours per Week Operating	Total Hours of Operation
Sample: ABC Equipment Co.	2/3/98 – 8/3/98	John Deere 750	10	250

TRUCK/BULLDOZER INFORMATION (Continued)

2b. The number of hours operating a D6 or D7 bulldozer or equivalent size in rugged terrain. **You must have at least 500 hours of operation of the specified bulldozer in rugged terrain (provide examples of the terrain and be specific). Please provide ALL the following information in each column (use additional sheets if necessary):**

Employer	Dates of Employment	Make/Model of Dozer	Type of Terrain (including % of slope)	Total Hours of Operation in Rugged Terrain
Sample: Parnham Construction	2/1/97-1/1/98	John Deere 750	Mountainous Terrain (1:1 Slope)	500

3. Do you possess a commercial Class A driver license? ____YES ____NO

If yes, please provide your driver license number _____, Class _____, and expiration date _____.

Other:

The information you provide is part of your application and is considered certified as true and complete.

Applicant's Signature

Date